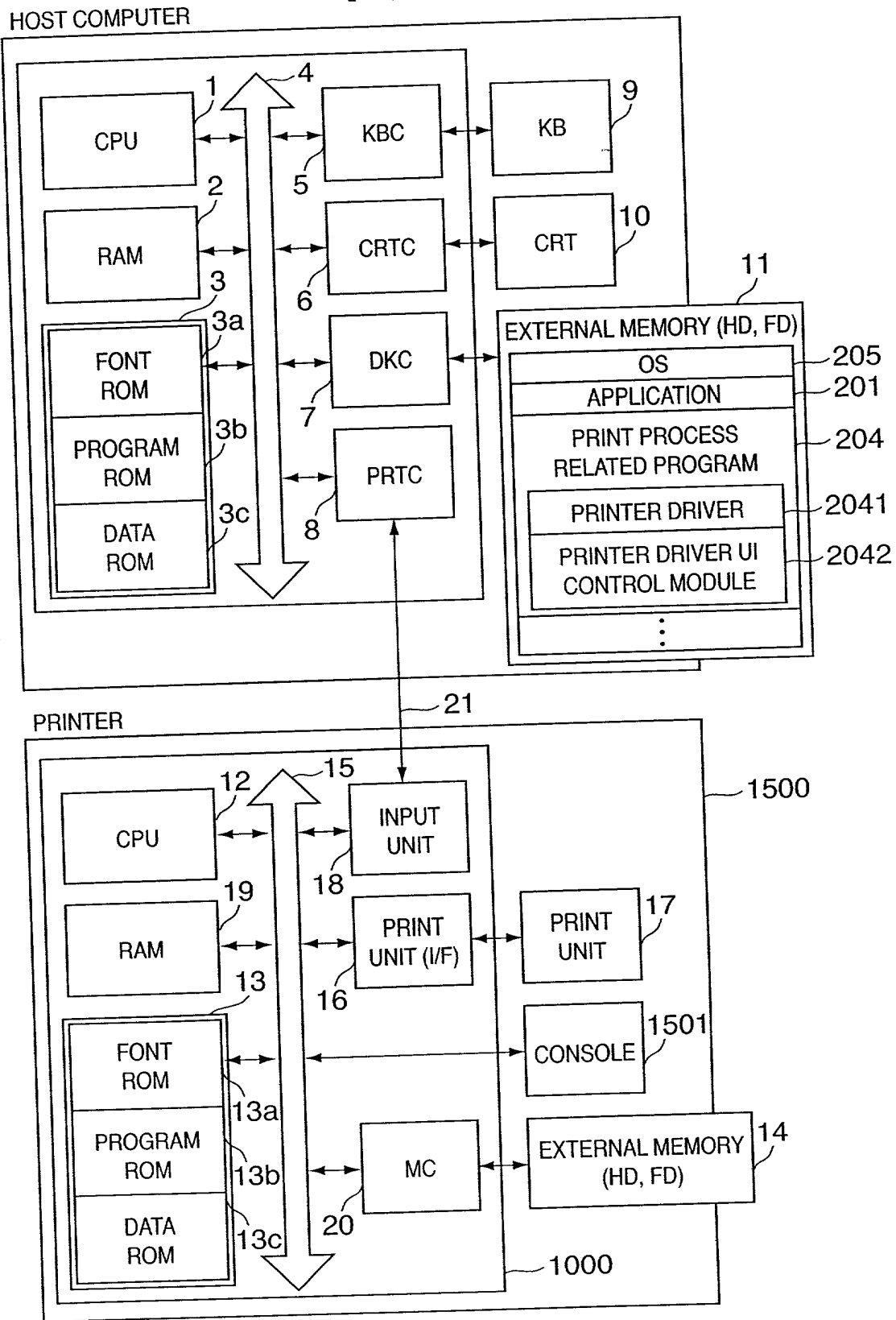


FIG. 1



**FIG. 2**

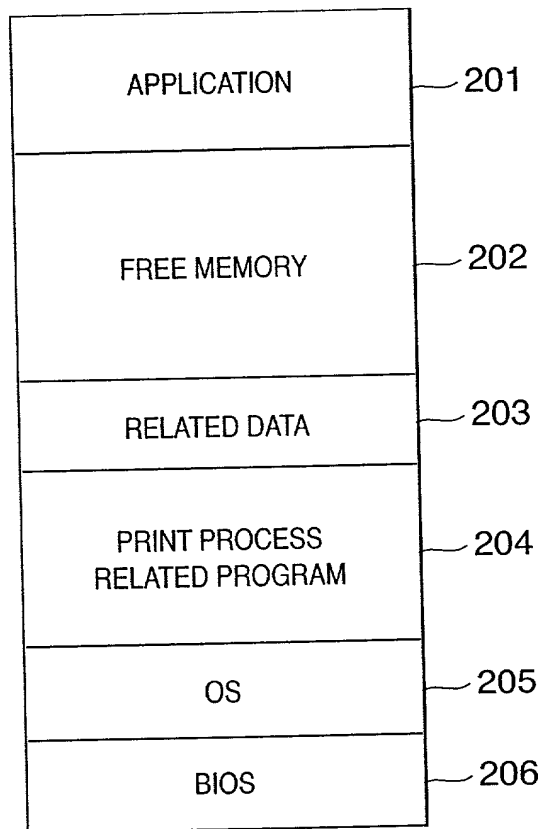


FIG. 3

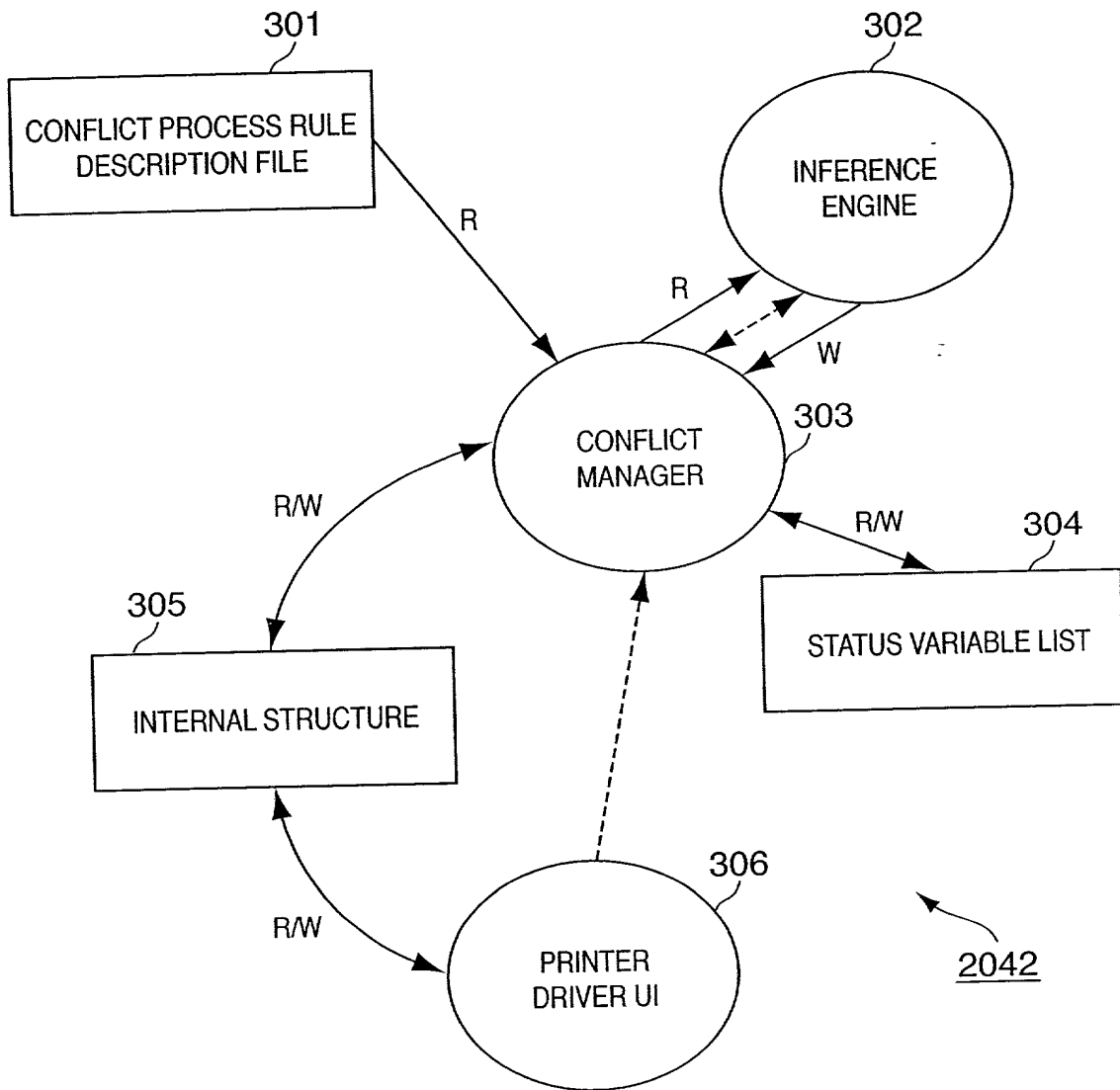


FIG. 4

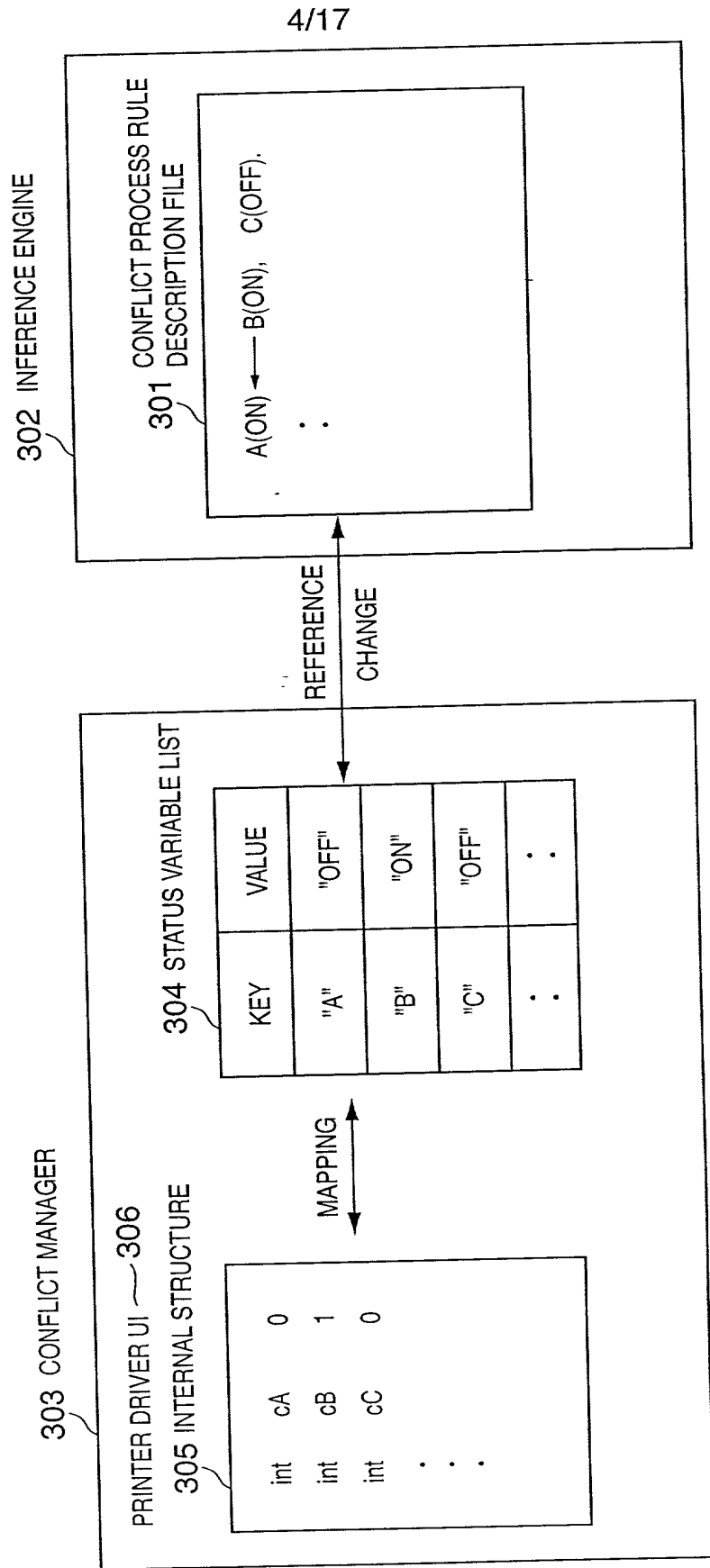


FIG. 5

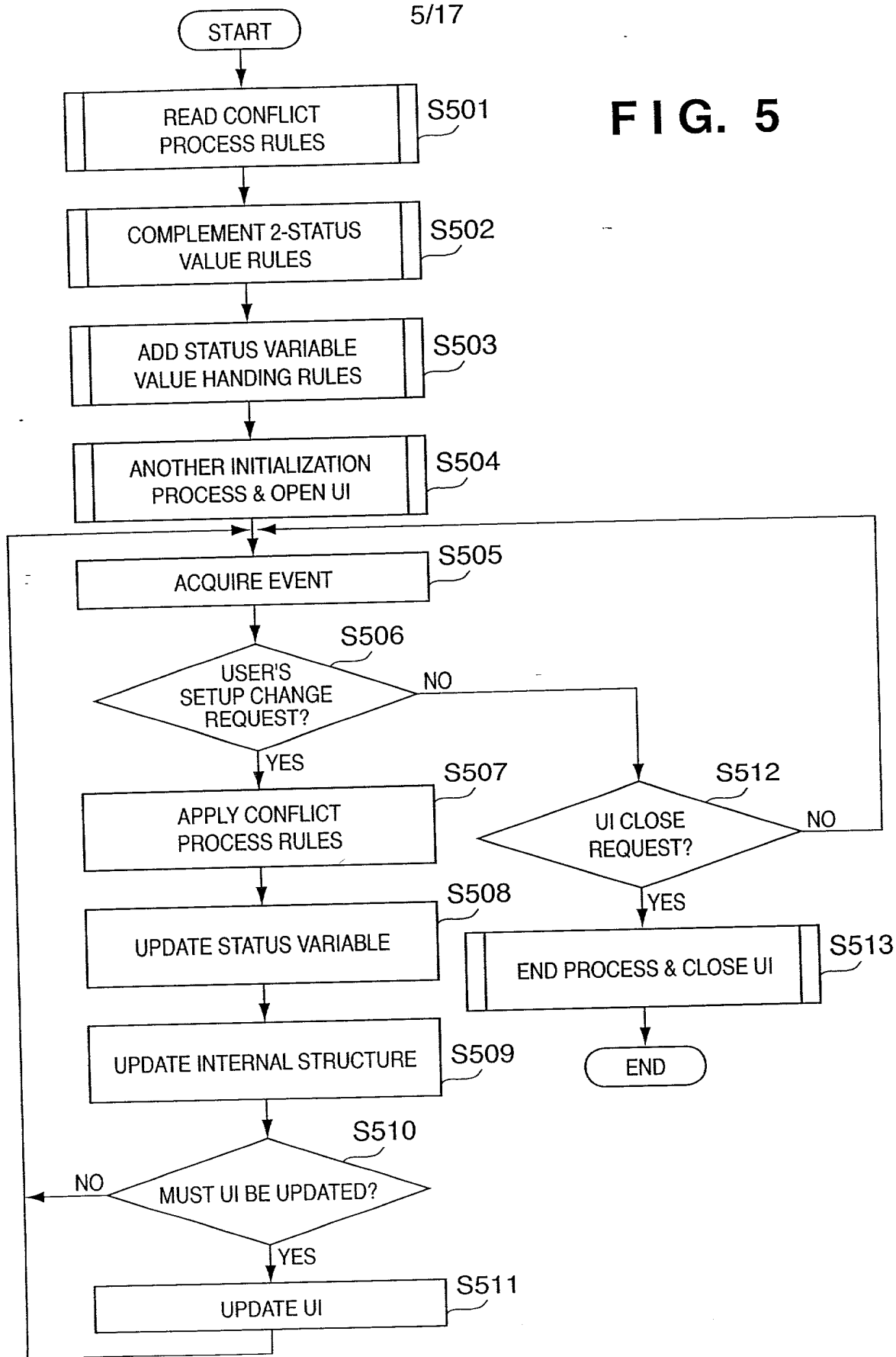
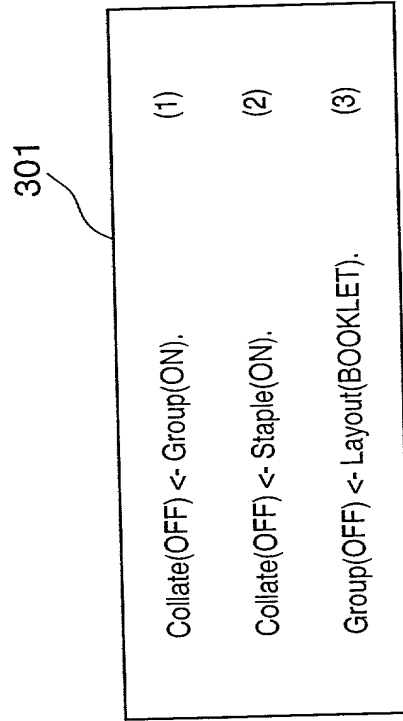


FIG. 6



**FIG. 7**

301

Collate(OFF) <- Group(ON). (1)

Collate(OFF) <- Staple(ON). (2)

Group(OFF) <- Layout(BOOKLET). (3)

Collate(ON) <- true. (4)

Group(ON) <- true. (5)

Collate(\_X) <- status(Collate,\_X). (6)


Group(\_X) <- status(Group,\_X). (7)

Layout(\_X) <- status(Layout,\_X). (8)

Staple(\_X) <- status(Staple,\_X). (9)

FIG. 8


PRINT SETUP WINDOW

Print Style : 

☒ 1-Sided Printing — 801

☐ 2-Sided Printing — 802

☐ Booklet Printing — 803

Finishing : 

☐ Collate — 811

☒

Group

 — 812

☐ Staple — 813

Staple Position

OK

CANCEL



FIG. 9

PRINT SETUP WINDOW

Print Style :

1-Sided Printing

2-Sided Printing

Booklet Printing

801

802

803

Finishing :

Collate

Collate

Staple

81

Staple Position

OK

CANCEL

**FIG. 10**

Collate(OFF) <- Group(ON). (1)

Collate(OFF) <- Staple(ON). (2)

Group(OFF) <- Layout(BOOKLET). (3)

{disable}

Collate(ON) <- true. (4)

Group(ON) <- true. (5)

Collate(\_X) <- status(Collate,\_X). (6)

Group(\_X) <- status(Group,\_X). (7)

Layout(\_X) <- status(Layout,\_X). (8)

Staple(\_X) <- status(Staple,\_X). (9)

**FIG. 11**

Collate(OFF) <- Group(ON). (1)

Collate(OFF) <- Staple(ON). (2)

Group(OFF) <- Layout(BOOKLET). (3)

{disable}

{Message(MSG001)}

Collate(ON) <- true. (4)

Group(ON) <- true. (5)

Collate(\_X) <- status(Collate,\_X). (6)

Group(\_X) <- status(Group,\_X). (7)

Layout(\_X) <- status(Layout,\_X). (8)

Staple(\_X) <- status(Staple,\_X). (9)

FIG. 12

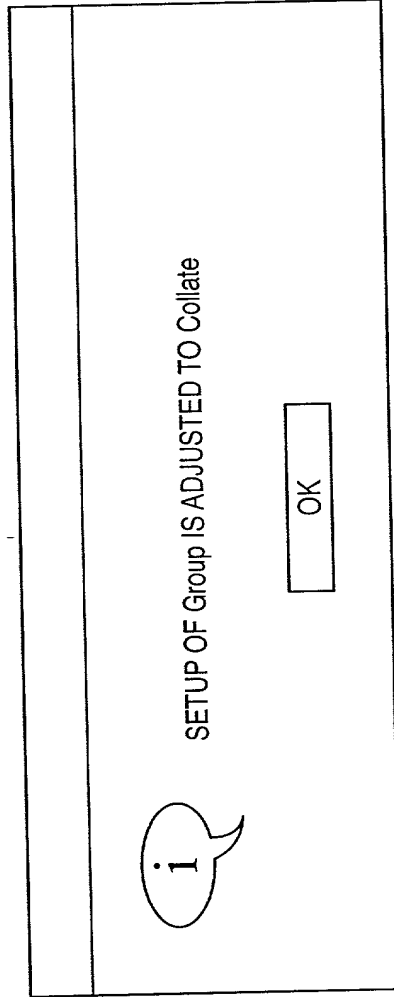
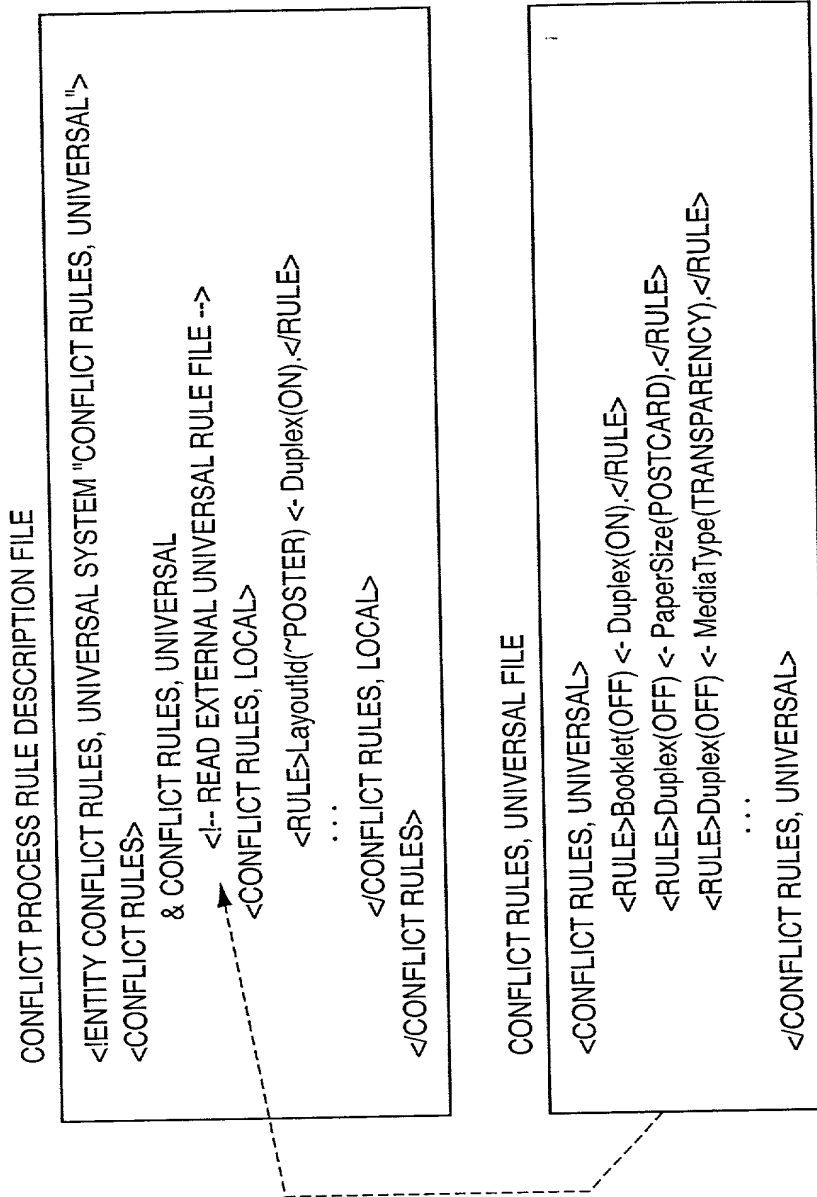


FIG. 13

CONFLICT PROCESS RULE

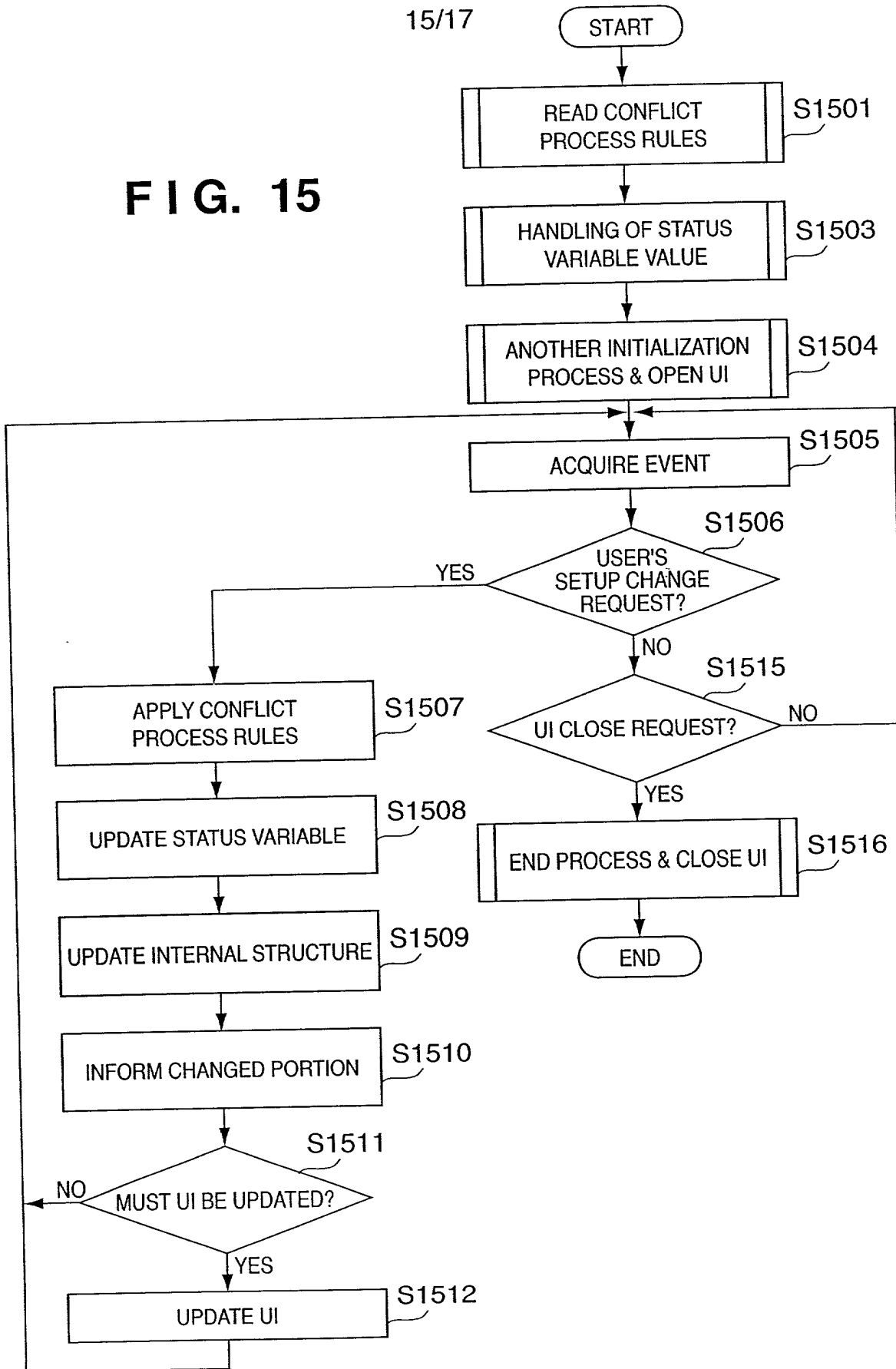
```
<CONFLICT RULES>
  <CONFLICT RULES, UNIVERSAL>
    <RULE>Booklet(OFF) <- Duplex(ON).</RULE>
    <RULE>Duplex(OFF) <- PaperSize(POSTCARD).</RULE>
    <RULE>Duplex(OFF) <- MediaType(TRANSPARENCY).</RULE>
    ...
  </CONFLICT RULES, UNIVERSAL>
  <CONFLICT RULES, LOCAL>
    <RULE>LayoutId(~POSTER) <- Duplex(ON).</RULE>
    ...
  </CONFLICT RULES, LOCAL>
</CONFLICT RULES>
```

FIG. 14



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FIG. 15



**FIG. 16**

Staple(OFF) <- Collate(ON). (1)

Staple(OFF) <- Group(ON). (2)

Staple(OFF) <- Finisher(OFF). (3)

{disable}

Staple(OFF) <- StaplablePaper(OFF). (4)

{disable}

Staple(OFF) <- Layout(BOOKLET). (5)

{disable}

Staple(OFF) <- PaperType(OHP). (6)

{disable}

Collate(ON) <- Layout(BOOKLET). (7)

{disable}

Group(OFF) <- Layout(BOOKLET). (8)

{disable}



FIG. 17

Figure 1 is a diagram of a "PRINT SETUP WINDOW". The window has a title bar with a close button (an "X" in a square). Inside the window, there are two main panels, labeled 80 and 81.

Panel 80 is titled "Print Style" and contains three radio button options: "1-Sided Printing" (labeled 801), "2-Sided Printing" (labeled 802), and "Booklet Printing" (labeled 803). The "Booklet Printing" option is selected (indicated by a filled circle) and is enclosed in a dashed rectangular box. Below these options is an icon of two booklets.

Panel 81 is titled "Finishing" and contains three radio button options: "Collate" (labeled 811), "Separate" (labeled 812), and "Stitch" (labeled 813). The "Collate" option is selected (indicated by a filled circle). Below these options is an icon of a booklet with a red arrow pointing to the back cover.

At the bottom of the window, there are two buttons: "OK" and "CANCEL".

At the bottom right of the window, there is a message box that says "CANNOT BE CHANGED SINCE Booklet Printing IS SET".